

Title (en)

ROUTING PATH CALCULATION METHOD, SYSTEM AND DEVICE, AND COMPUTER-READABLE STORAGE MEDIUM

Title (de)

VERFAHREN, SYSTEM UND VORRICHTUNG ZUR BERECHNUNG EINES ROUTING-PFADES UND COMPUTERLESBARES SPEICHERMEDIUM

Title (fr)

PROCÉDÉ, SYSTÈME, ET DISPOSITIF DE CALCUL DE CHEMIN DE ROUTAGE, ET SUPPORT DE STOCKAGE LISIBLE PAR ORDINATEUR

Publication

EP 3860059 A4 20211222 (EN)

Application

EP 19867439 A 20190923

Priority

- CN 201811152235 A 20180929
- CN 2019107367 W 20190923

Abstract (en)

[origin: EP3860059A1] The embodiments of the present disclosure provide a routing path calculation method, system and device, and a computer-readable storage medium. The method includes that: the number n of passing constraint condition or conditions is determined, and n network topology layer or layers are correspondingly copied, wherein n is a positive integer; different layer attribute information is configured for an original network topology layer and the n copied network topology layer or layers; connection of at least one link of each network topology layer is modified according to the n passing constraint condition or conditions, and connection of at least one one-way link is established between two network topology layers with adjacent layer attribute information; a k-optimal path from a starting point of a head network topology layer to an ending point of an end network topology layer is calculated by use of a k-optimal path algorithm; and restoration processing is performed on the layer attribute information of at least one node in the k-optimal path to obtain a final path.

IPC 8 full level

H04L 45/02 (2022.01); **H04L 45/42** (2022.01)

CPC (source: CN EP US)

H04L 45/02 (2013.01 - CN EP US); **H04L 45/12** (2013.01 - CN EP US); **H04L 45/14** (2013.01 - CN US); **H04L 45/42** (2013.01 - US); **H04L 45/64** (2013.01 - EP); **H04L 45/14** (2013.01 - EP)

Citation (search report)

- [XA] US 2012093030 A1 20120419 - KIM TAE YEON [KR], et al
- [A] US 2003043756 A1 20030306 - REYNDERS JOHN V [US], et al
- See also references of WO 2020063549A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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